

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/807,936
Filing Date	March 24, 2004
First Named Inventor	Denison
Art Unit	2612
Examiner Name	Nam V. Nguyen
Attorney Docket Number	MET-041424CO04

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number <small>Number-Kind Code² (if known)</small>	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,031,434	06-21-1977	Perron, et al.	
		US- 4,167,104	09-11-1979	Bond	
		US- 4,205,325	05-27-1980	Haygood, et al.	
		US- 4,206,491	06-03-1980	Ligman, et al.	
		US- 4,268,076	05-19-1981	Itoi	
		US- 4,369,442	01-18-1983	Werth, et al.	
		US- 4,594,637	06-10-1986	Falk	
		US- 4,670,747	06-02-1987	Borras, et al.	
		US- 4,672,375	06-09-1987	Mochida, et al.	
		US- 4,703,359	10-27-1987	Rumbolt, et al.	
		US- 4,720,700	01-19-1988	Seibold, et al.	
		US- 4,727,369	02-23-1998	Rode, et al.	
		US- 4,746,919	05-24-1988	Reitmeier	
		US- 4,760,393	07-26-1988	Mauch	
		US- 4,779,090	10-18-1988	Micznik, et al.	
		US- 4,791,280	12-13-1988	O'Connell, et al.	
		US- 4,829,290	05-09-1989	Ford	
		US- 4,857,914	08-15-1989	Thrower	
		US- 4,926,996	05-22-1990	Eglise, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document <small>Country Code³-Number⁴-Kind Code⁵ (if known)</small>	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		JP4238979(A)	08-26-1992	Makoto		
		JP0689391(A)	03-29-1994	Hayashi		

Examiner Signature	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 4

Application Number	10/807,936
Filing Date	March 24, 2004
First Named Inventor	Denison
Art Unit	2612
Examiner Name	Nam V. Nguyen

Attorney Docket Number MET-041424CO04

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,942,393	07-17-1990	Waraksa, et al.	
		US- 4,967,305	10-30-1990	Murrer, et al.	
		US- 5,043,720	08-27-1991	Laurienzo	
		US- 5,065,356	11-12-1991	Puckette	
		US- 5,140,317	08-18-1992	Hyatt, Jr., et al.	
		US- 5,339,250	08-16-1994	Durbin	
		US- 5,343,077	08-30-1994	Yoshida, et al.	
		US- 5,347,267	09-13-1994	Murray	
		US- 5,389,919	02-14-1995	Warren, et al.	
		US- 5,392,025	02-21-1995	Figh, et al.	
		US- 5,473,318	12-05-1995	Martel	
		US- 5,475,375	12-12-1995	Barrett, et al.	
		US- 5,479,151	12-26-1995	Lavelle, et al.	
		US- 5,575,515	11-19-1996	Iwamoto, et al.	
		US- 5,617,082	04-01-1997	Denison, et al.	
		US- 5,636,881	06-10-1997	Stillwagon	
		US- 5,742,238	04-21-1998	Fox	
		US- 5,745,044	04-28-1998	Hyatt, Jr., et al.	
		US- 5,774,053	06-30-1998	Porter	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 4

Application Number	10/807,936
Filing Date	March 24, 2004
First Named Inventor	Denison
Art Unit	2612
Examiner Name	Nam V. Nguyen
Attorney Docket Number	MET-041424CO04

U. S. PATENT DOCUMENTS				
Examiner Initials ⁴	Cite No. ¹	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US- 5,774,058	06-30-1998	Henry, et al.
		US- 5,774,059	06-30-1998	Henry, et al.
		US- 5,805,074	09-08-1998	Warren, et al.
		US- 5,813,257	09-29-1998	Claghorn, et al.
		US- 5,841,866	11-24-1998	Bruwer, et al.
		US- 5,873,276	02-23-1999	Dawson, et al.
		US- 5,886,644	03-23-1999	Keskin, et al.
		US- 6,005,487	12-21-1999	Hyatt, Jr., et al.
		US- 6,038,491	03-14-2000	McGarry, et al.
		US- 6,068,305	05-30-2000	Myers, et al.
		US- 6,318,137	11-20-2001	Chaum
		US- 6,345,522	02-12-2002	Stillwagon, et al.
		US- 6,401,059	06-04-2002	Shen, et al.
		US- 6,483,424	11-19-2002	Bianco
		US- 6,496,101	12-17-2002	Stillwagon
		US- 6,525,644	02-25-2003	Stillwagon
		US- 6,575,504	06-10-2003	Roatis, et al.
		US- 6,581,986	06-24-2003	Roatis, et al.
		US- 6,684,671	02-03-2004	Beylotte, et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials ⁴	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4 of 4

Application Number	10/807,936
Filing Date	March 24, 2004
First Named Inventor	Denison
Art Unit	2612
Examiner Name	Nam V. Nguyen

Attorney Docket Number MET-041424CO04

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,867,685	03-15-2005	Stillwagon	
		US- 6,874,828	04-05-2005	Roatis, et al.	
		US- 6,900,720	05-31-2005	Denison, et al.	
		US- 6,977,576	12-20-2005	Denison, et al.	
		US- 7,456,725	11-25-2008	Denison, et al.	
		US- 7,482,907	01-27-2009	Denison, et al.	
		US- 2002/0024418	02-28-2002	Ayala, et al.	
		US- 2002/0024420	02-28-2002	Ayala, et al.	
		US- 2003/0030539	02-13-2003	McGarry, et al.	
		US- 2003/0127866	07-10-2003	Martinez, et al.	
		US- 2003/0128101	07-10-2003	Long	
		US- 2005/0088279	04-28-2005	Denison, et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.